Domestic Washer? Technical Information
120 V, 60 Hz Models

SAV5710AW*, SAV365ZAW/AAW, SAV3655AW, SAV3710AW

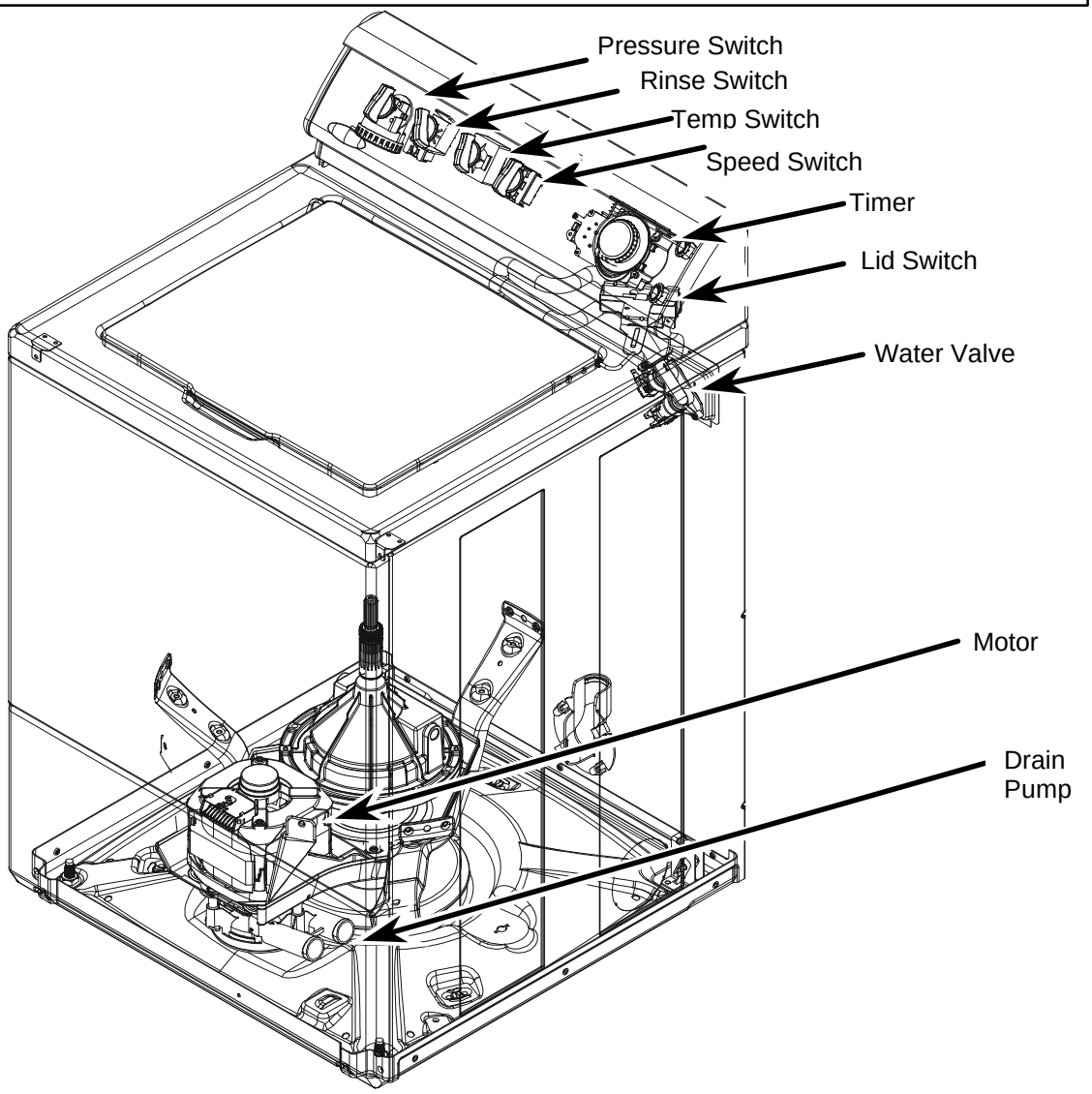
- Due to possibility of personal injury or property damage, always contact an authorized technician for servicing or repair of this unit.
- Refer to Service Manual RS3100007 for detailed installation, operating, testing, troubleshooting, and disassembly instructions.

⚠ CAUTION

All safety information must be followed as provided in this Technical Sheet and in Service Manual RS3100007.

⚠ WARNING

To avoid risk of electrical shock, personal injury, or death, disconnect power to unit and discharge capacitor before servicing, unless testing requires it.



Trouble Shooting

⚠ WARNING

To avoid risk of electrical shock, personal injury, or death, disconnect power to washer before servicing, unless testing requires it.

Models	SAV5710AW, SAV365ZAW/AAW, SAV3655AW, SAV3710AW	Models	SAV5710AW, SAV365ZAW/AAW, SAV3655AW, SAV3710AW
Power Source		**Wash cycles**	25
Voltage AC	120 VAC	**Water temperatures**	4
Amperage (Single Unit)	10 A	**Water level**	5
Frequency	60 Hz	**Agitation frequency** (Normal)	92±2
Motor horsepower	½	**Agitation frequency** (Gentle)	61±2
Plug	6-20P	**Motor speed**	2 speed
Dimensions		Spin speed (revolutions per minute)	710 / 473 rpm
Cabinet			
Height–overall	43-1/4"		
Height of cabinet	36"		
Width	26-7/8"		
Depth	28"		
Clearance–washer lid	23-1/2"		
Weight			
Crated	173 lbs.		

Leaking
- Make sure supply hose connections are not leaking. Check for rubber gasket damage due to over tightening.
- Make sure end of drain hose is correctly inserted and secured to drain facility.
- Avoid overloading.
- Check internal hose connections.
- Check for overflowing standpipe.
- Check pump out speed.
- Check tub cover. Remove, reposition and reinstall the tub cover seal.
- Check water mixing valve for cracks or hose connection leak.
- Check tub seal for leak.
- Check for water inlet flume damage.

No Water Fill
- Check to make sure water supply turned on fully.
- Normal water level. See chart.

- Check for kinks in inlet hoses.
- Check for clogged inlet screens.
- Visually check hot and cold separately at dispenser for proper flows.

Model	Low	Medium	High
Home - 5 Level	6.75+1	9.5+.5/-1	14.25+.5/-1

- If complaint is a high-pitched noise during fill then disconnect supply hoses and clean screens.
- Is 120VAC present at outlet.
- Check for blown fuse or tripped breaker.
- Check lid switch assembly.
- Check Pressure Switch for continuity between terminals. (See component testing)
- Check timer contacts.
- Check for continuity on water valve solenoid. (See component testing)

Vibration
- Weak floors can cause vibration and walking.
- Legs level and secure.
- Be sure rubber feet are installed on leveling legs.
- Check that the leveling leg lock nuts are tightened.
- Remove front panel and check that the suspension springs are attached to the base and outer tub.
- Check agitator for correct installation.
- Check transmission for spin bearing noise.
- Check belt.
- Check pump pulley and bearing.
- Check motor pulley and bearings.

Will Not Start
- **Plug cord into live electrical outlet.**
- Check fuse or reset circuit breaker.
- Close lid.
- Check to see if the washer in a pause or soak period in the cycle. Wait briefly and it may start.
- Check for restricted drain system.
- Check cam chart per cycle.

Trouble Shooting

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Will Not Drain

- Check for restricted drain system.
- Check for broken impeller on pump.

Wrong Water Temperature

- Are both faucets on fully?
- Make sure temperature selection is correct.
- Make sure hoses are connected to correct faucets and inlet connections. Flush water line before filling washer.
- Check the water heater. It should be set to deliver a minimum 120°F (49°C) hot water at the tap. Also check water heater capacity and recovery rate.
- If the water heater is located a long distance from washer, water line may need to be purged prior to starting wash cycle.
- Disconnect inlet hoses and clean screens.

Will Not Spin

- Check for unbalanced load.
- Check for broken or slipping belt.
- Does the house drain system accept water from machine?
- Check for blocked drain hose.
- Check for binding tub seal.
- Check for partial engagement of brake assembly.
- Check for obstruction between tubs.
- Check for broken impeller on pump.

Clothes Wet After Spin

- Check for unbalanced load.
- Check for partial engagement of brake assembly.
- Check pump for obstruction
- Check for drain hose restriction.
- Check for drain plumbing restriction.

Tub Full of Water

- Check for drain hose restriction.
- Check for drain plumbing restriction.
- Check pump for obstruction or proper operation.
- Check for proper polarity of motor against timer sequence chart.
- Check for loose or slipping belt.

Component Testing Information

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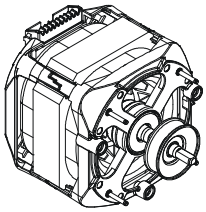
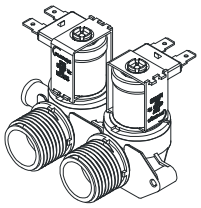
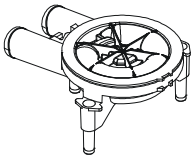
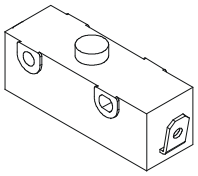
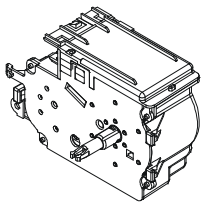
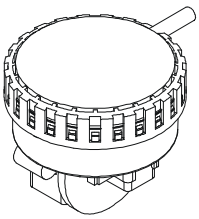
Illustration	Component	Test Procedure	Results
	2 Speed Motor CCW rotation from viewed from shaft end. 1/2HP 120V/60hz, 8.7 amps @ 1725 RPM/7.4 amps @ 1140 RPM Main wattage, 700/570 watts	See section “Internal Motor Diagram and Schematic for wiring contacts.	
	Water valve 120V 50/60hz, 5 watts Cold Side 2.25 gpm, Hot Side 2.00 gpm, Mix 3.00 gpm at 20-120 psi	Measure resistance of terminals on each valve. Resistance across each valve.	1000 Ω ± 10%
	Drain Pump	Verify Drain Pump is not clogged or damaged.	
	Lid Switch	Disconnect wire terminals from switch. Test terminals with switch closed. Test terminals with switch open.	Continuity >1Ω Infinite 1MΩ
	Timer	Verify input and output voltage is present.	Refer to timing sequence chart.
	Pressure Switch	Do not disconnect the pressure hose from pressure switch to perform measurements. Measure resistance across the following terminals. Terminal 1 to 2 Terminal 1 to 3	Refer to wiring diagram/schematic for correct contacts. Continuity >1Ω Infinite 1MΩ

Component Testing Information

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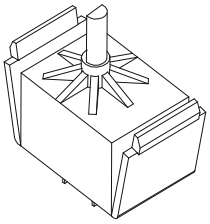
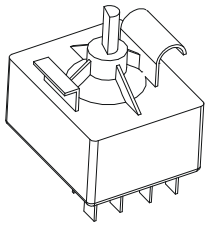
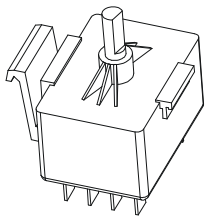
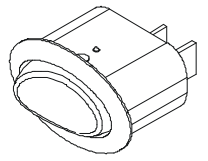
	Extra Rinse Switch	Disconnect wires from component to properly measure the resistance. Place switch in the following positions and measure across the terminals below. On 2-1 Off 4-5	Continuity >1 Ω Infinite
	Temperature Switch	Disconnect wires from component to properly measure the resistance. Place switch in the following positions and measure across the terminals below.	

POS	INSERT	SHAFT	CONNECTION	
1	0°		L2-2	>1 Ω
2	45°		L1-1&2, L2-2	>1 Ω
3	90°		L1-1, L2-2	>1 Ω
4	135°		L1-1	>1 Ω

	Speed Switch	Disconnect wires from component to properly measure the resistance. Place switch in the following positions and measure across the terminals below.			
		Reg. Normal/Fast Wrinkle Free Normal/Slow Delicate Gentle/Slow Hand Wash Ex.Gentle/Slow			

POS	INSERT	SHAFT	CONNECTION	
1	0°		L2-2	>1 Ω
2	45°		L1-1&2, L2-2	>1 Ω
3	90°		L1-1, L2-2	>1 Ω
4	135°		L1-1	>1 Ω

	Finger Faucet/Signal Switch	Measure resistance of switch positions. Closed (On position) Open (Off position)	Continuity >1 Ω Infinite 1 MΩ

Internal Motor Diagram and Schematic

WARNING

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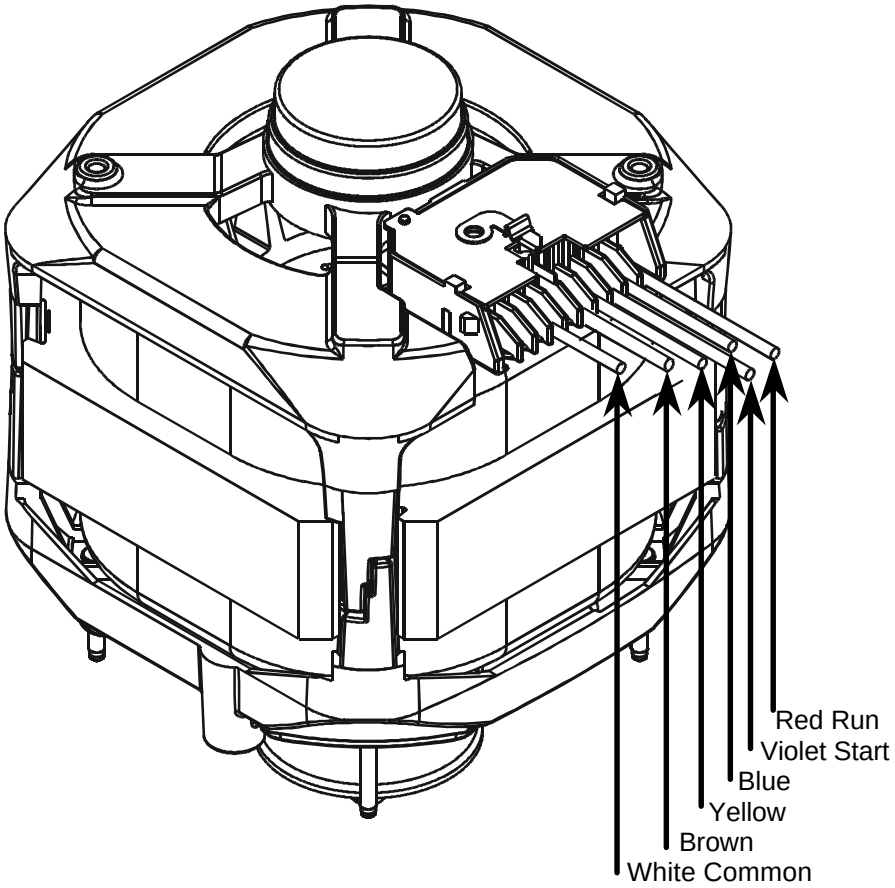
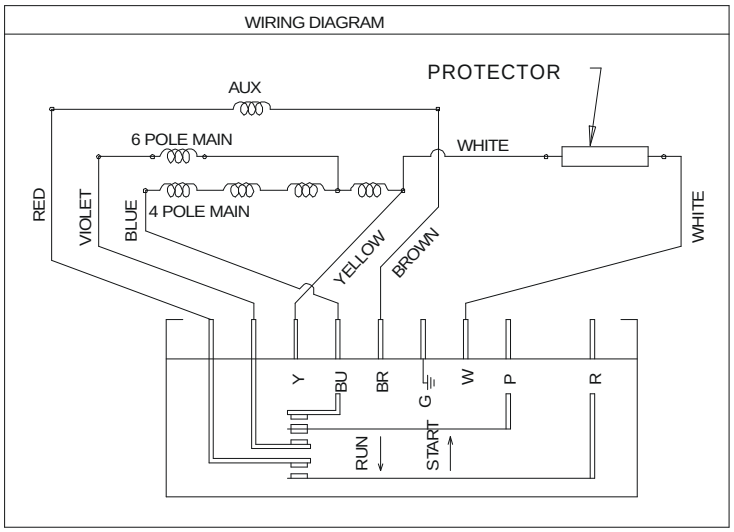


1/2HP
120V/60hz, 7-8 amps, 1750 RPM
Main wattage, 550-900 watts



Motor Trouble Shooting

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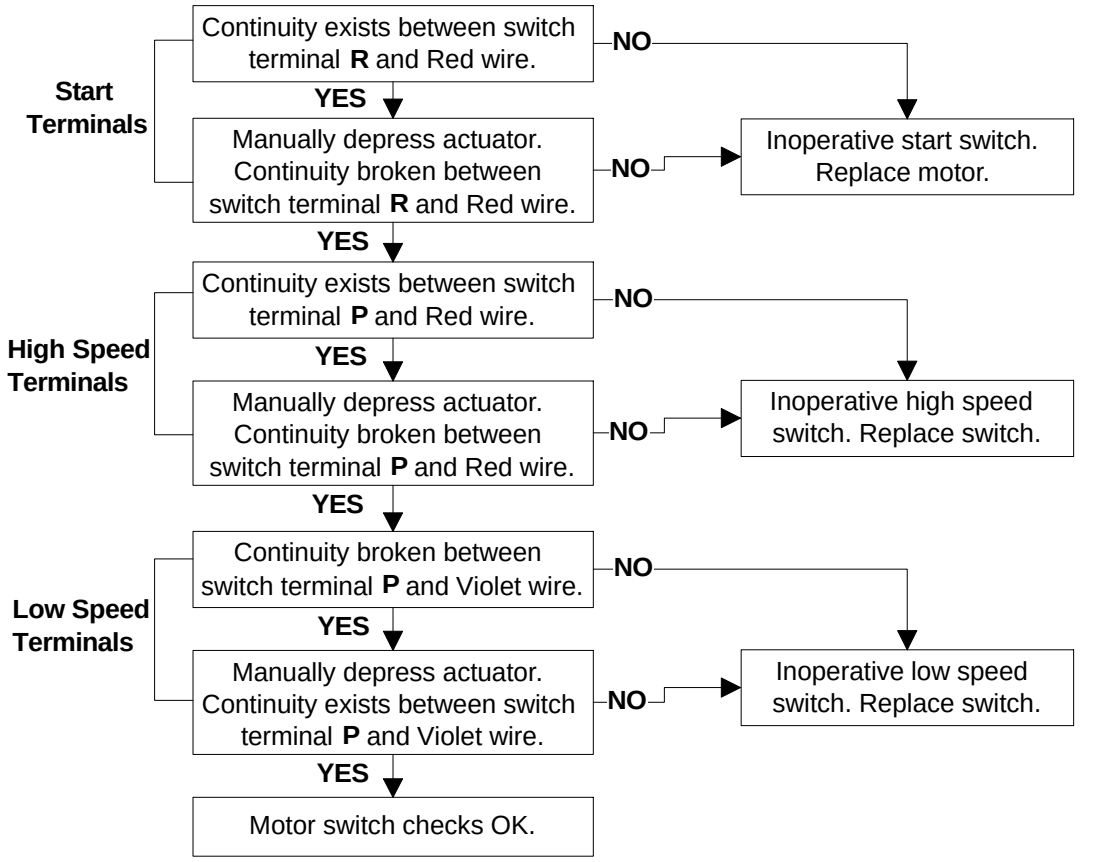
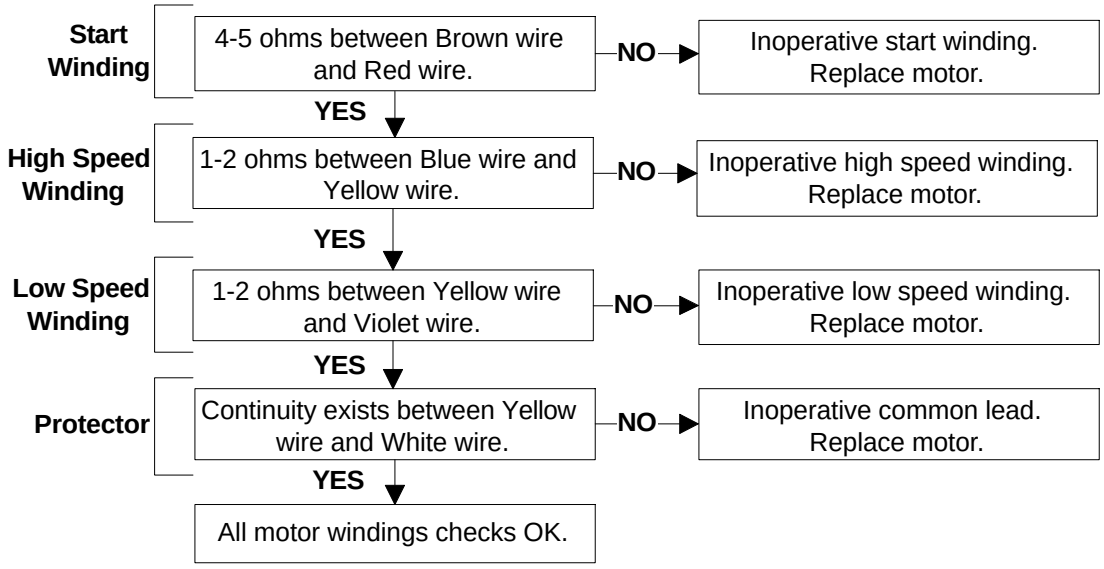
One or Two Speed Motors


Start Terminals
Continuity exists between switch terminal R and Red wire.
NO
YES
Manually depress actuator. Continuity broken between switch terminal R and Red wire.
NO
Inoperative start switch. Replace motor.
YES
High Speed Terminals
Continuity exists between switch terminal P and Red wire.
NO
YES
Manually depress actuator. Continuity broken between switch terminal P and Red wire.
NO
Inoperative high speed switch. Replace switch.
YES
Low Speed Terminals
Continuity broken between switch terminal P and Violet wire.
NO
YES
Manually depress actuator. Continuity exists between switch terminal P and Violet wire.
NO
Inoperative low speed switch. Replace switch.
YES
Motor switch checks OK.



Timer Cycle Chart

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Cycle	Function	Water Temperature Select	Motor Speed	Modification II Cycle Time h:mm:ss
PRESOAK	Wash: Fill & Agitate	hot, warm, or cold	select	0:05:34
	Soak	-	-	0:00:29
	Agitate	hot, warm, or cold	select	
REGULAR	Wash: Fill & Agitate	hot, warm, or cold	select	0:17:34
	Pause	-	-	minimized
	Spin	-	select	0:02:40
	Spin & Spray	warm or cold	select	0:00:26
	Spin	-	select	0:02:25
	Pause	-	-	minimized
	Rinse: Fill & Agitate	warm or cold	select	0:02:31
	Pause	-	-	minimized
	Spin	-	fast	0:07:00
				0:32:36
OFF/PAUSE	Cycle end or Pause for	-	-	minimized
EXTRA RINSE	Rinse: Fill & Agitate	warm or cold	select	0:02:31
	Pause	-	-	minimized
	Spin	-	fast	0:07:00
				0:09:31
OFF				
INFINITE SOAK	Wash: Fill & Agitate	hot, warm, or cold	select	
	Soak	hot, warm, or cold	-	
	Agitate	hot, warm, or cold	select	
	Infinite Soak	hot, warm, or cold	-	
OFF/SOAK				
Permanent Press Knits	Wash: Fill & Agitate	hot, warm, or cold	select	0:08:51
	Pause	-	-	minimize
	Spin	-	medium	0:02:40
	Spin & Spray	warm or cold	medium	0:00:26
	Spin	-	medium	0:02:25
	Pause	-	-	minimize
	Rinse: Fill & Agitate	warm or cold	select	
	Pause	-	-	
	Spin	-	select	0:07:00
				0:21:22
OFF/PAUSE	Cycle end or Pause for	-	-	minimize
EXTRA RINSE	Rinse: Fill & Agitate	warm or cold	select	0:02:31
	Pause	-	-	minimize
	Spin	-	select	0:07:00
				0:09:31
OFF				
Delicate	Wash: Fill & Agitate	hot, warm, or cold	medium	
	Pause	-	-	0:02:31
	Spin	-	select	0:02:30
	Spin & Spray	warm or cold	select	0:00:27
	Spin	-	select	0:02:25
	Pause	-	-	minimized
	Rinse: Fill & Agitate	warm or cold	medium	0:02:31
	Pause	-	-	minimized
	Spin	-	select	0:02:25
				0:12:49
OFF/PAUSE	Cycle end or Pause for	-	-	minimized
EXTRA RINSE	Rinse: Fill & Agitate	warm or cold	medium	0:02:31
	Pause	-	-	minimized
	Spin	-	select	0:02:25
				0:04:56
OFF				
Handwash	Wash: Fill & Agitate	hot, warm, or cold	medium	
	Soak	hot, warm, or cold	-	
	Agitate	hot, warm, or cold	medium	
	Pause	-	-	
	Spin	-	select	
	Spin & Spray	warm or cold	select	
	Spin	-	select	
	Pause	-	-	
	Rinse: Fill & Agitate	warm or cold	medium	
	Pause	-	-	
	Spin	-	select	
				0:00:00
OFF				

Timer Cycle Chart

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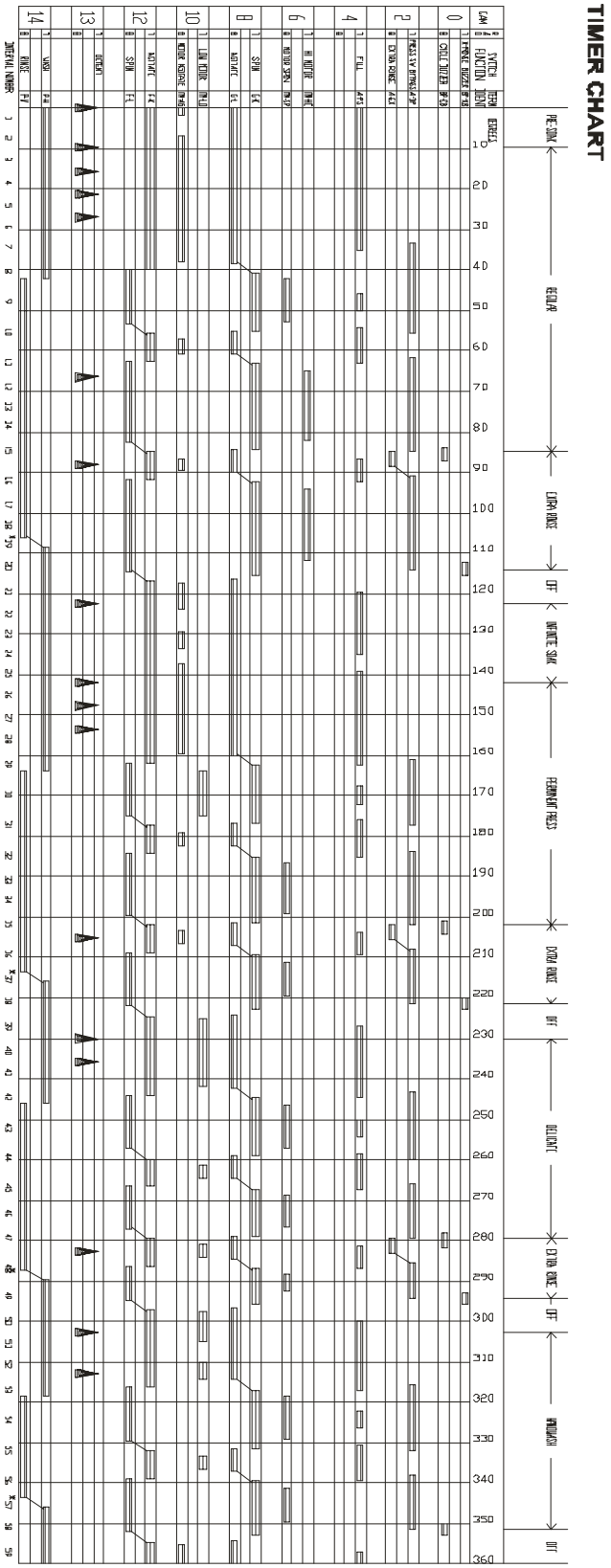

Wiring Diagram and Schematic

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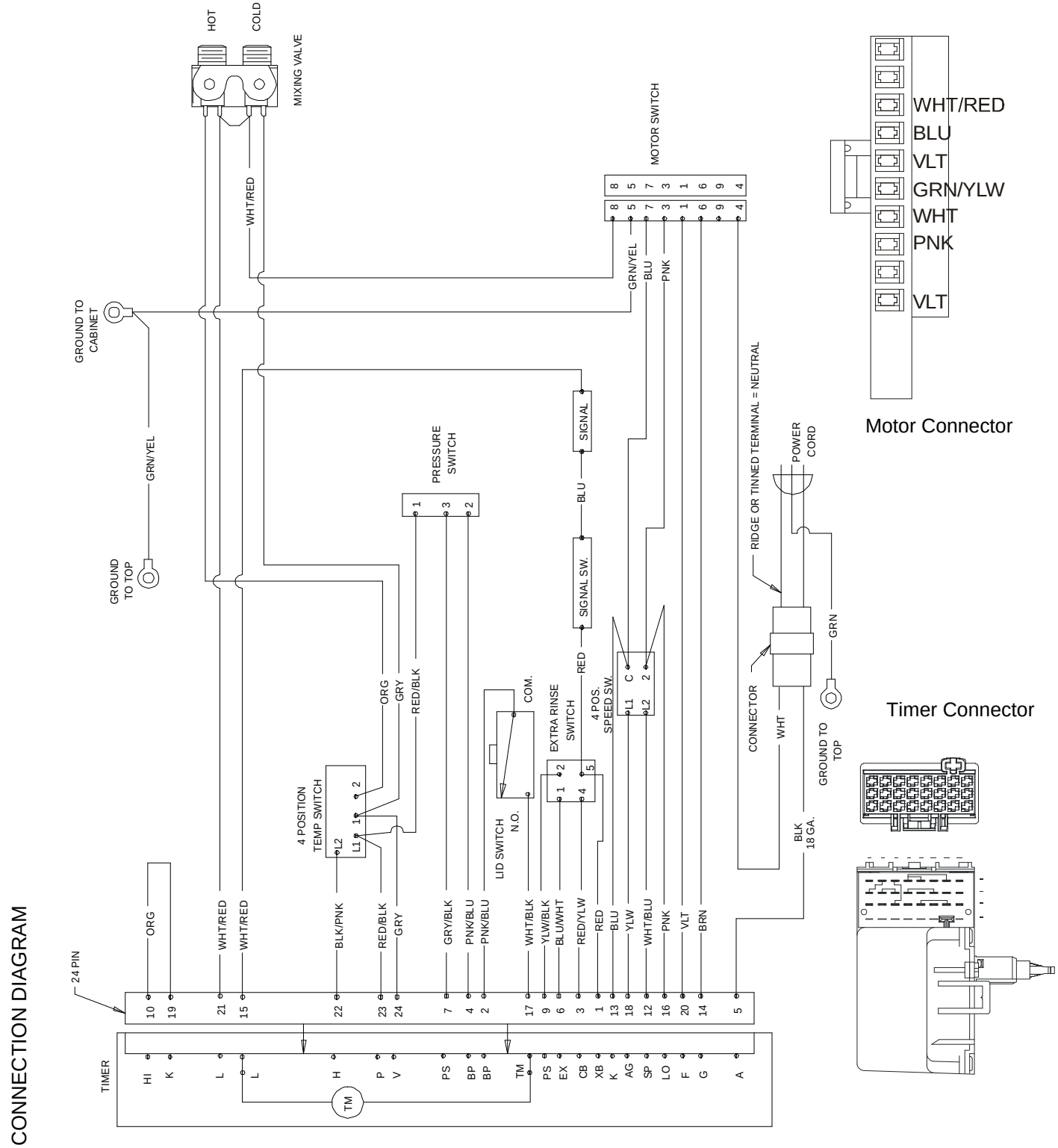

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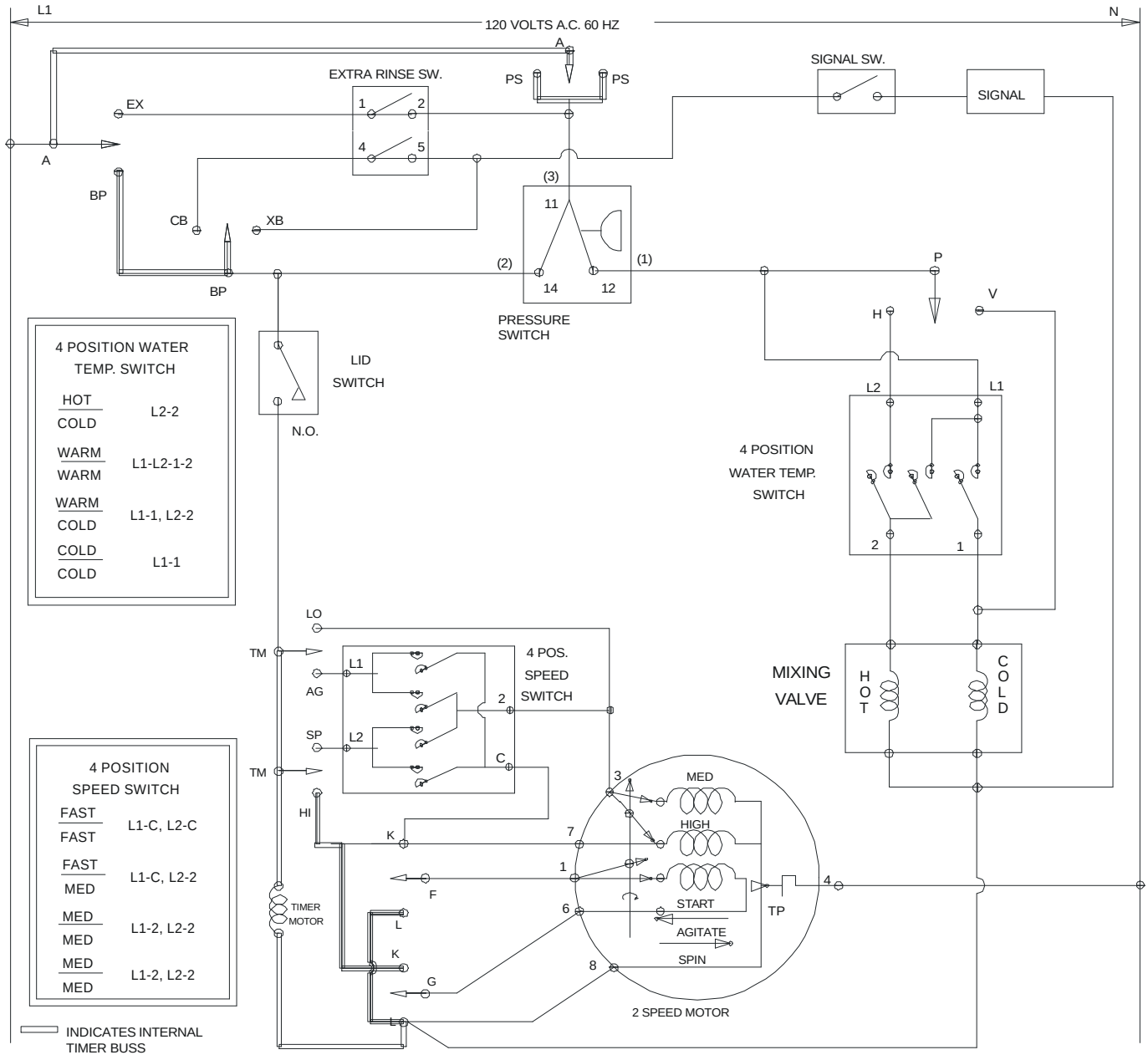
SCHEMATIC